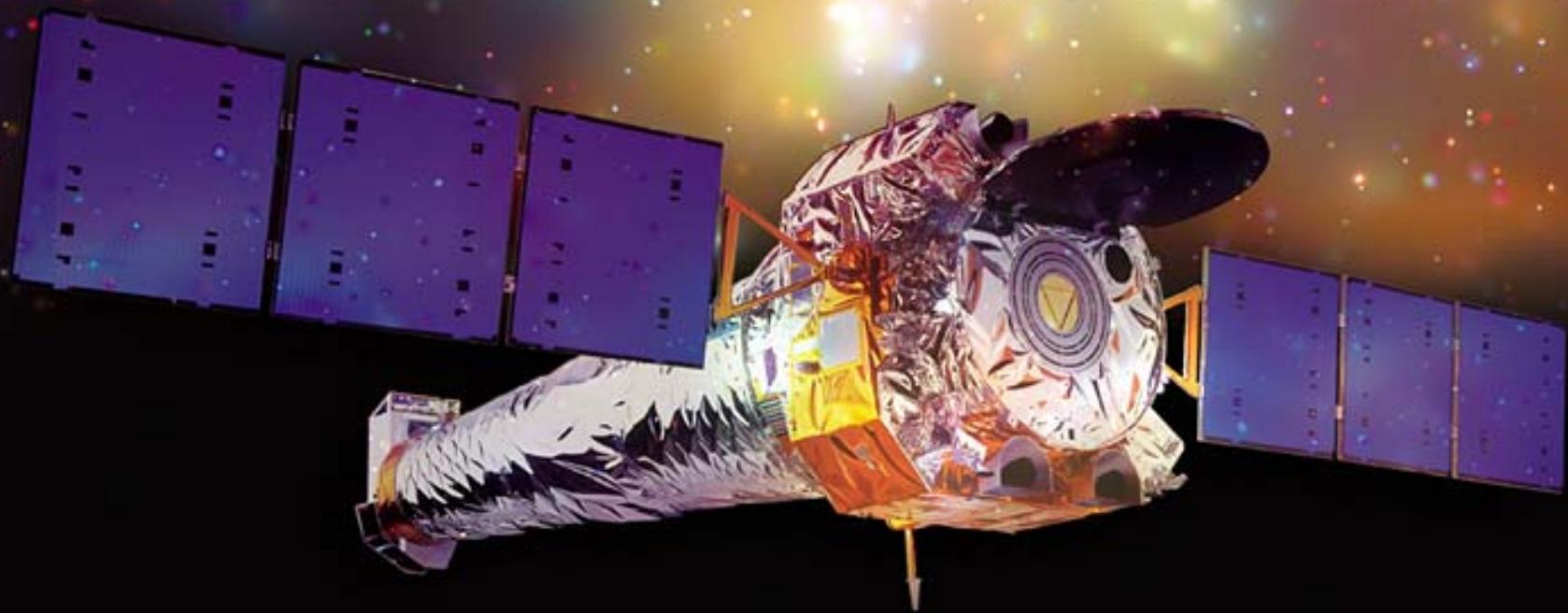




# Chandra Science Results



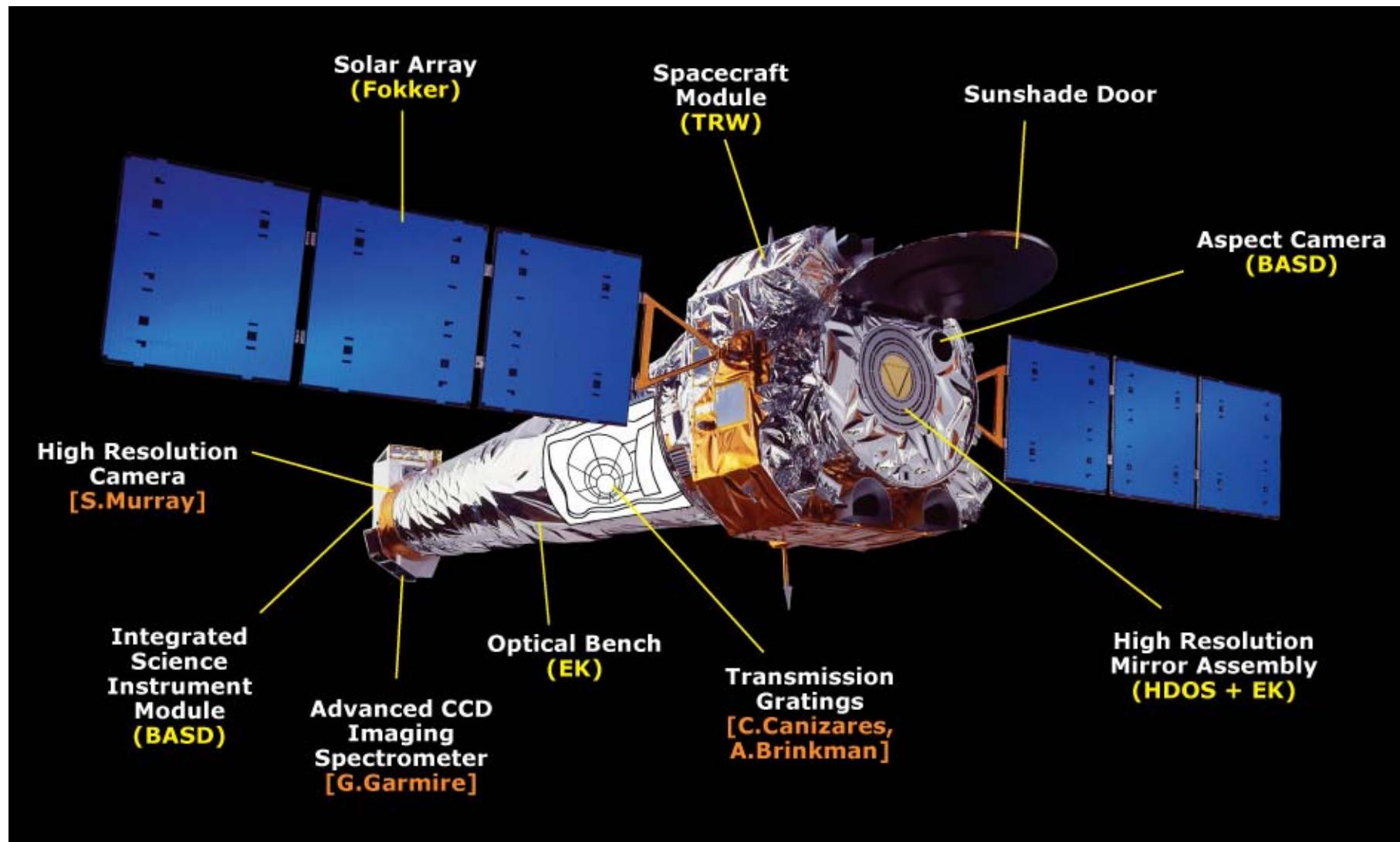
Presented to Structure and Evolution of the Universe  
and Origins Subcommittees :: February 24, 2004

Harvey Tananbaum :: Director, Chandra X-Ray Center



# Chandra X-Ray Observatory

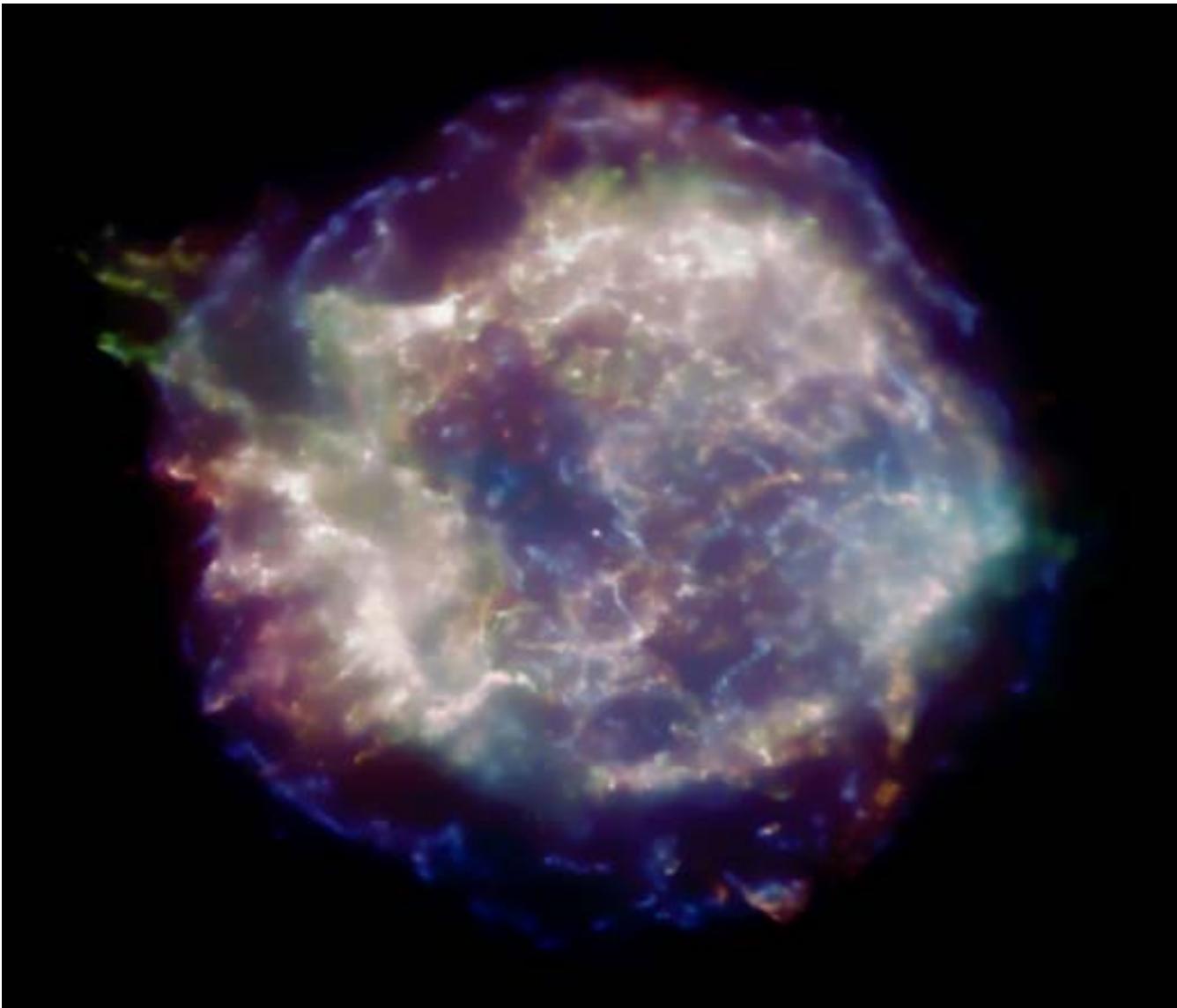
## Chandra Spacecraft





# Chandra X-Ray Observatory

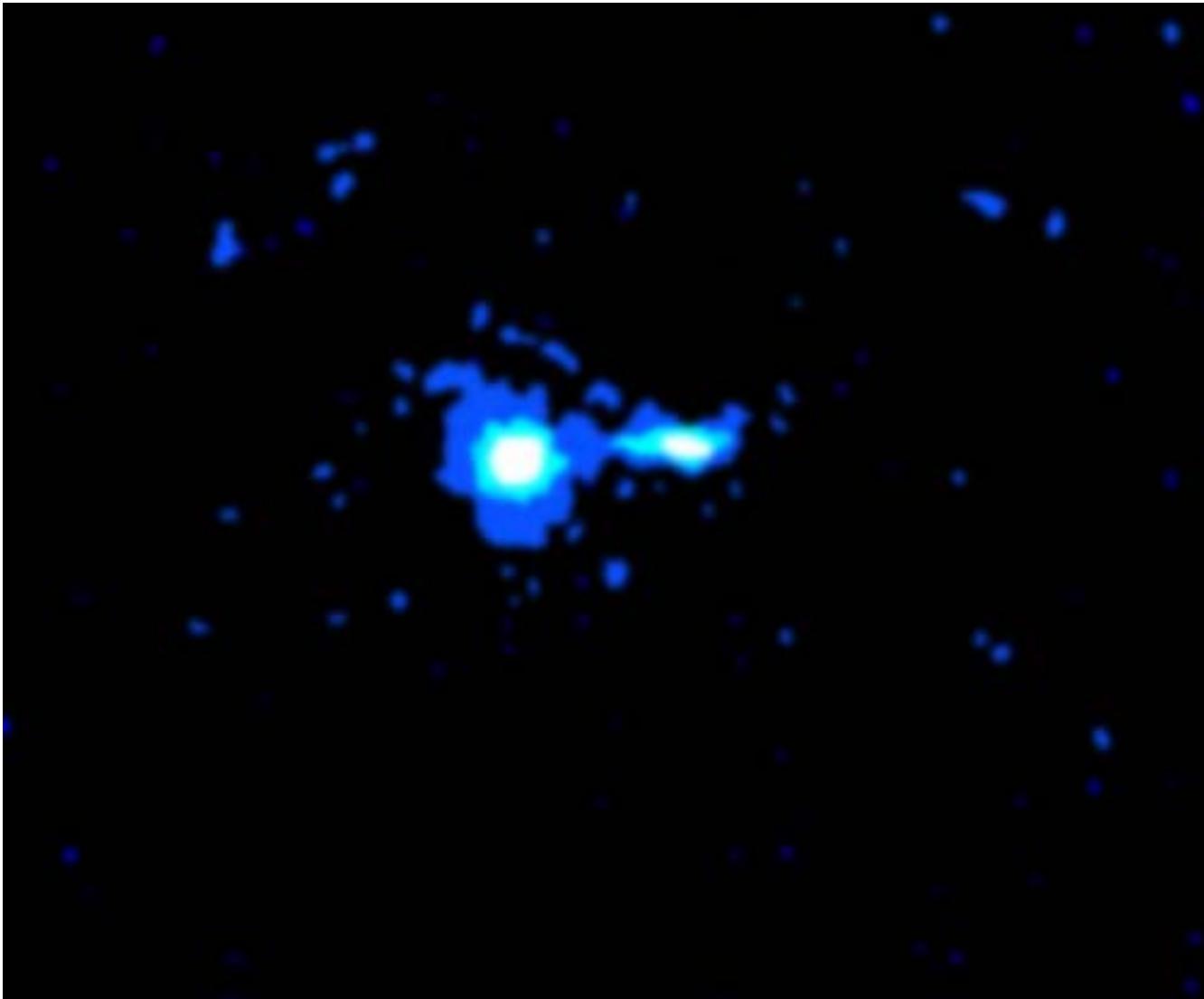
Cas A: First Light





# Chandra X-Ray Observatory

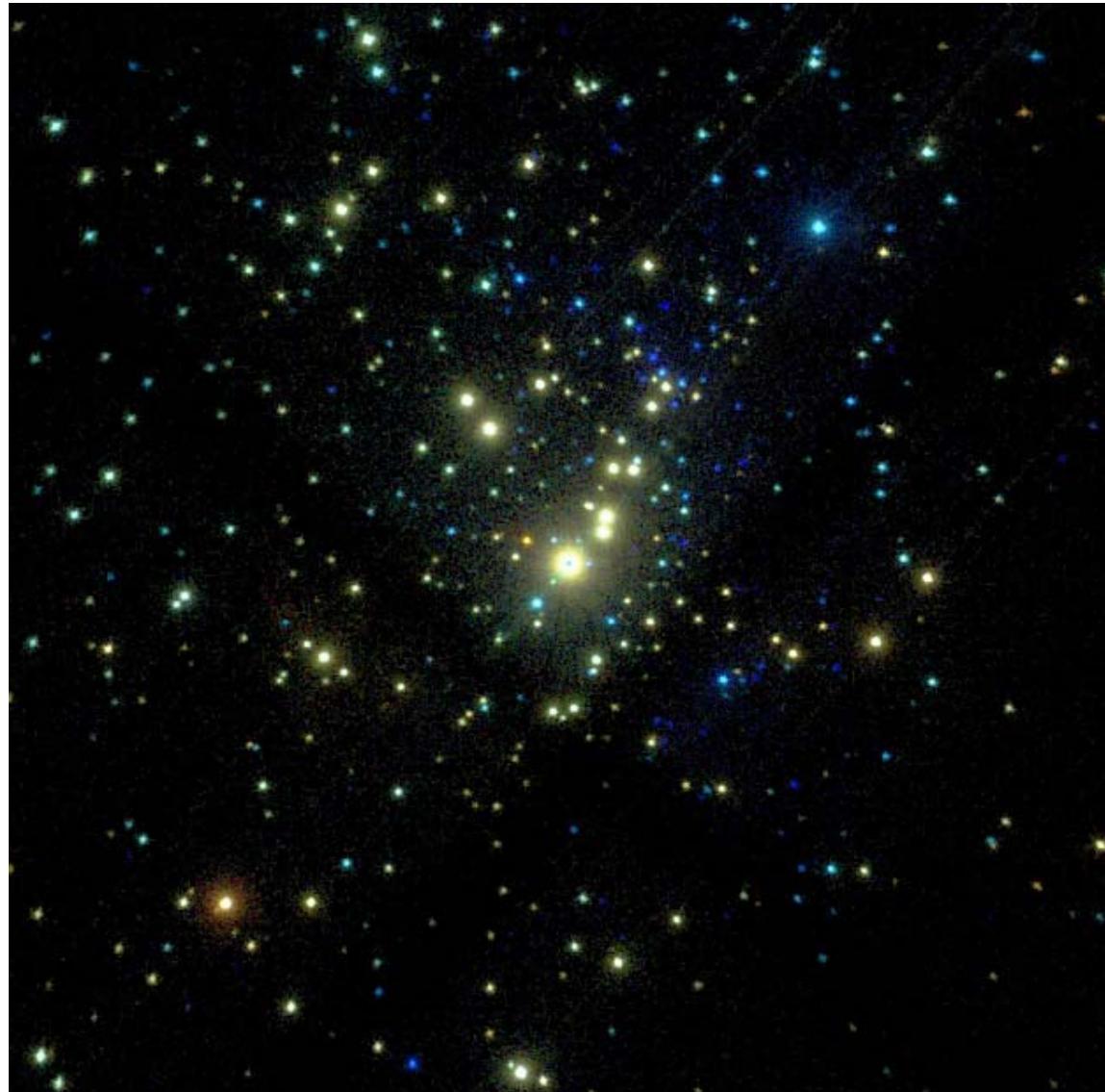
PKS 0637-752: Jet Discovery





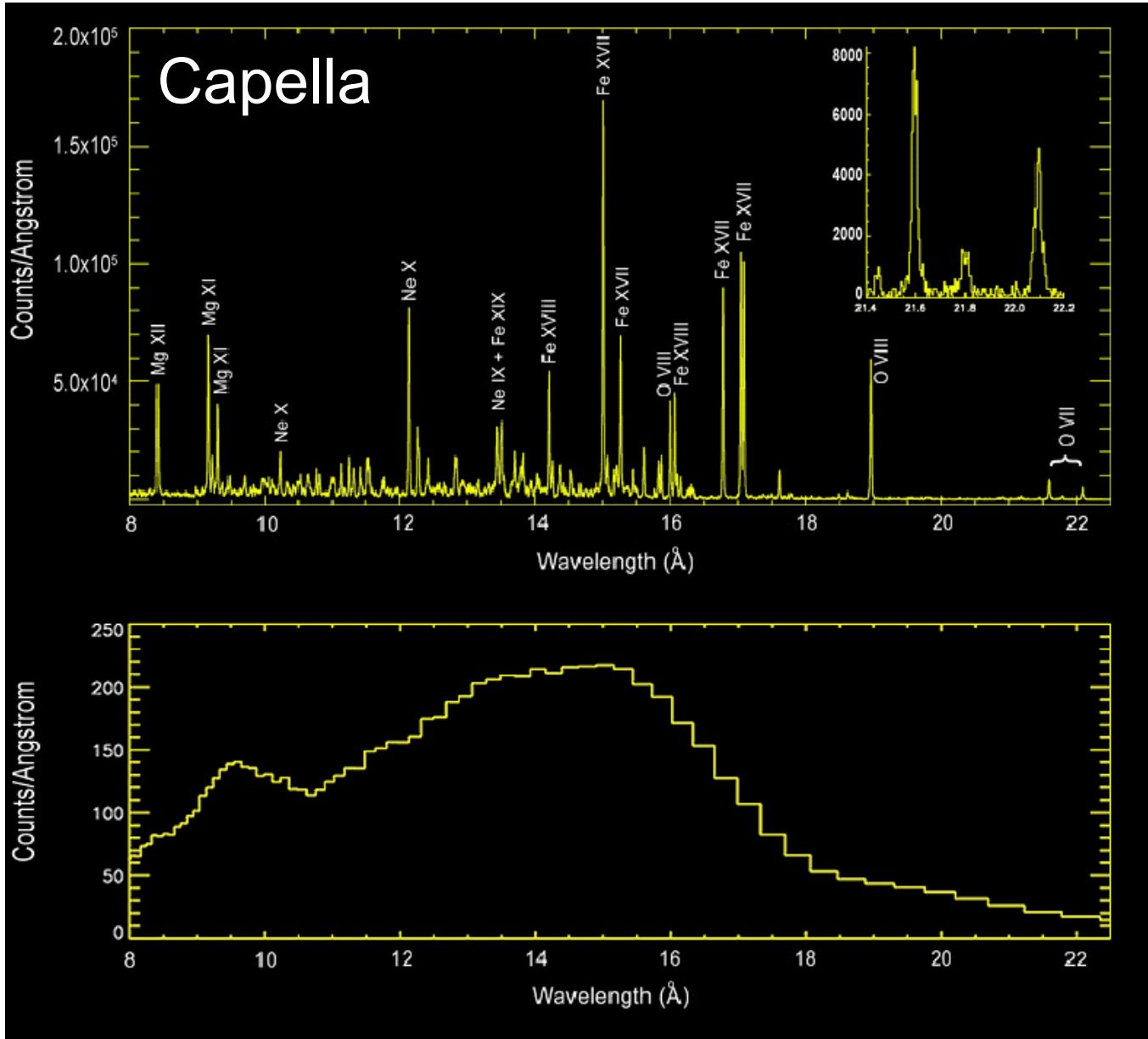
# Chandra X-Ray Observatory

## Orion Nebula





# Chandra X-Ray Observatory





# Chandra X-Ray Observatory

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# Chandra X-Ray Observatory

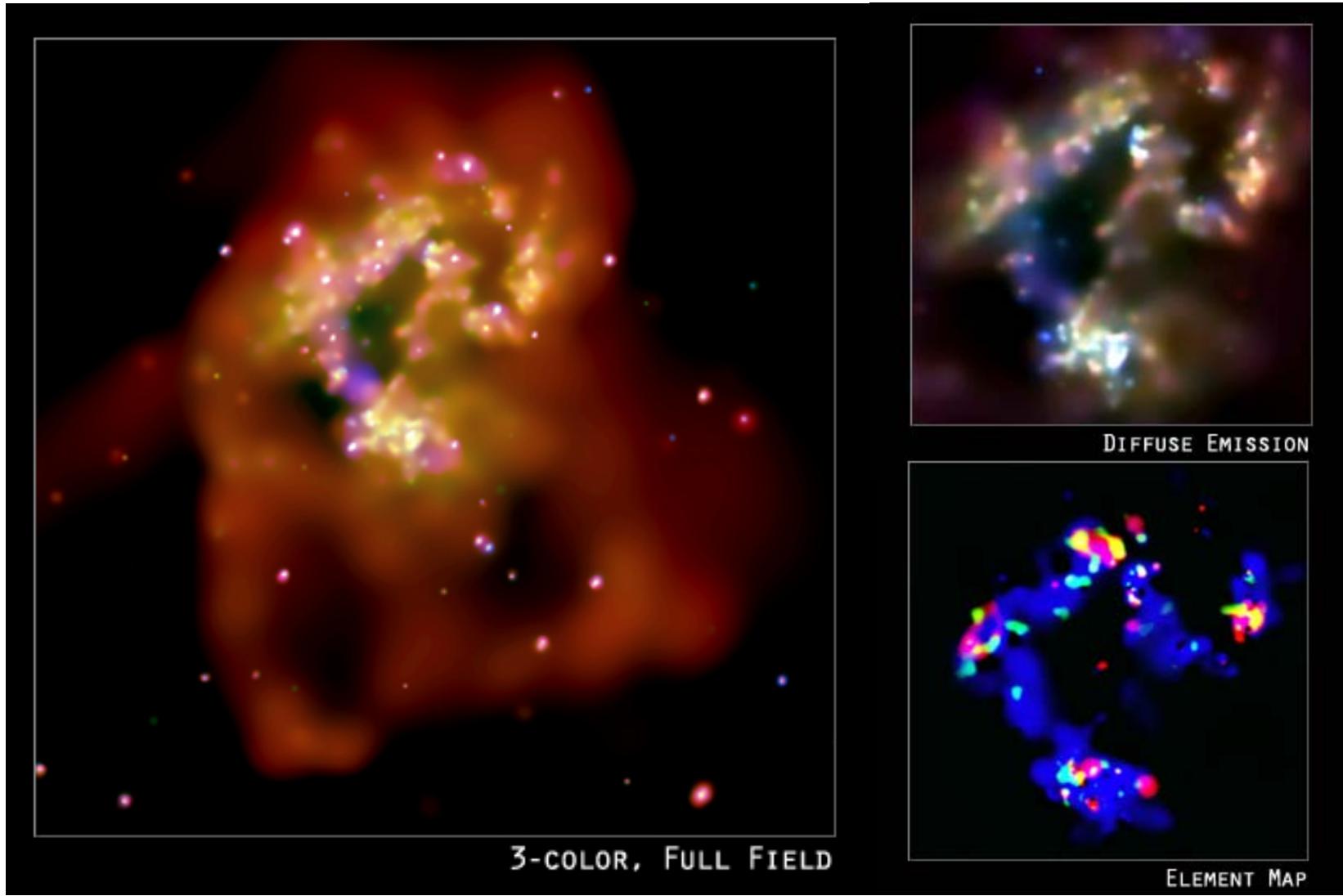
## Galactic Center





# Chandra X-Ray Observatory

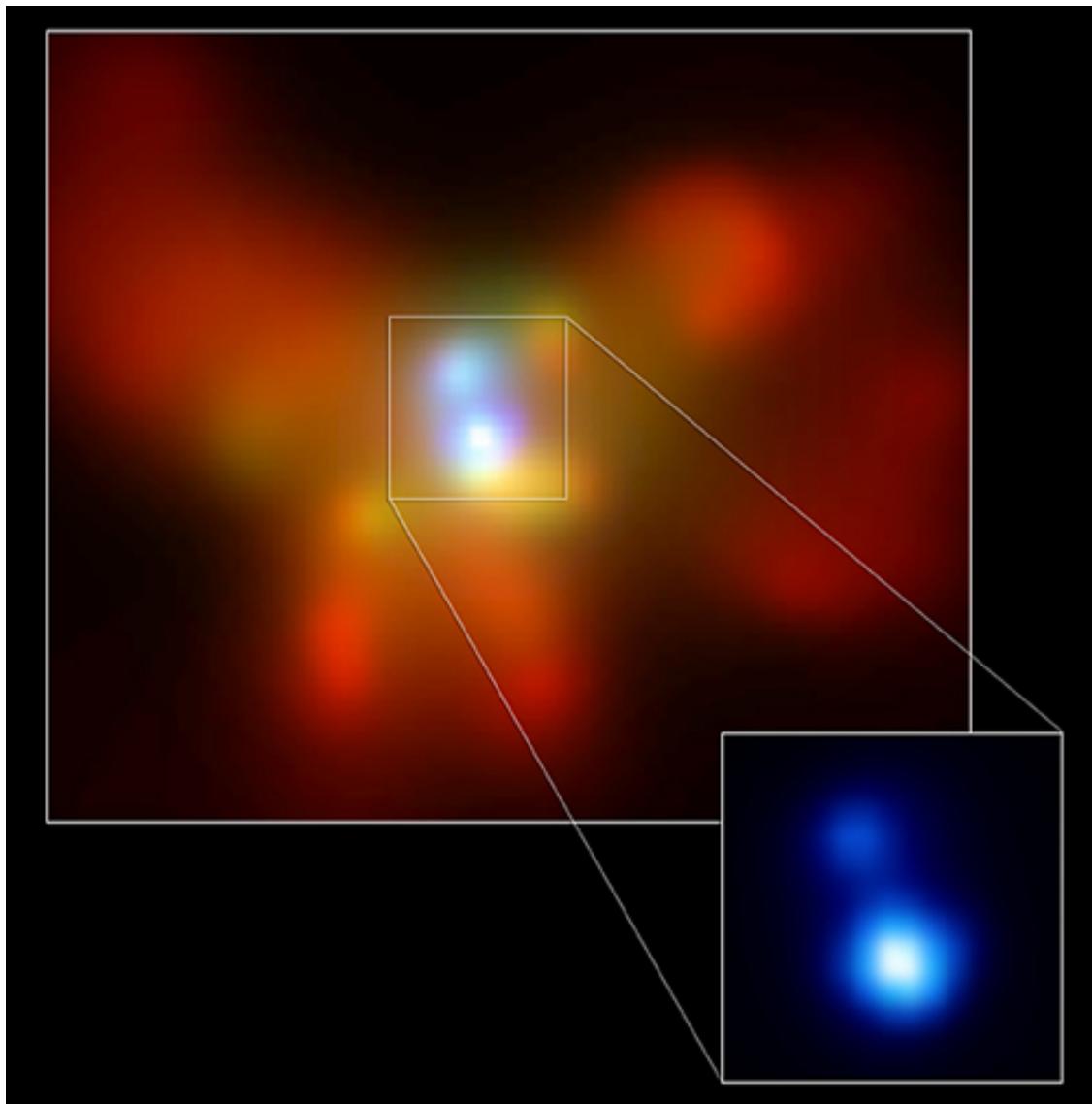
## The Antennae





# Chandra X-Ray Observatory

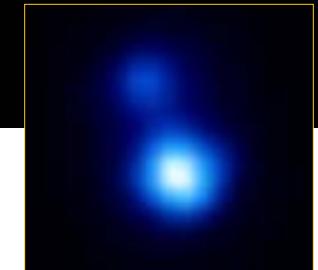
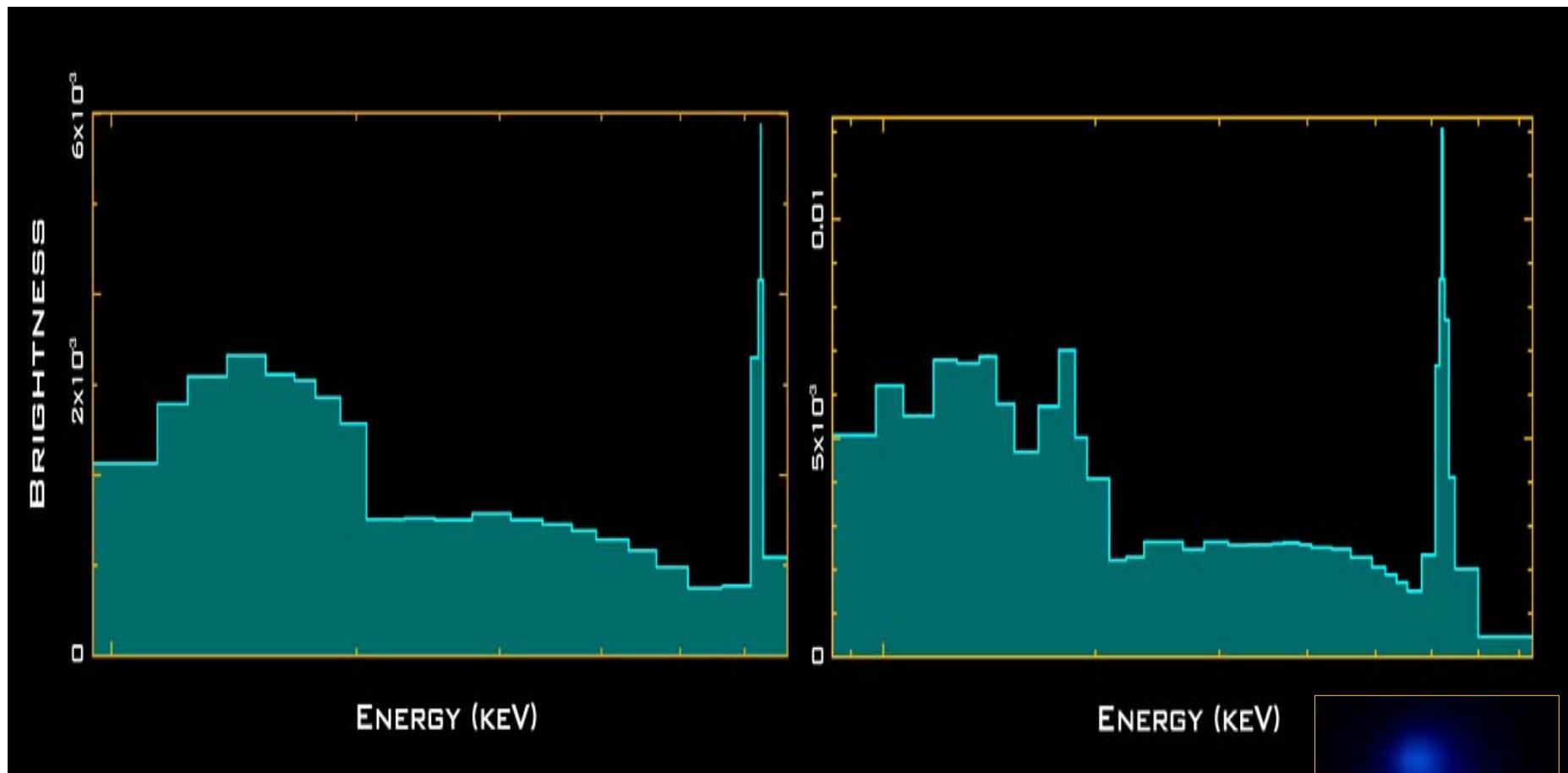
NGC 6240





# Chandra X-Ray Observatory

## NGC 6240



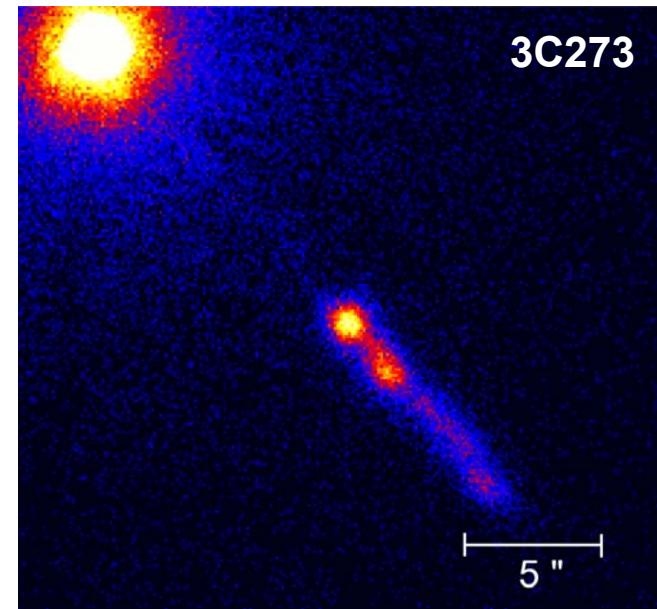
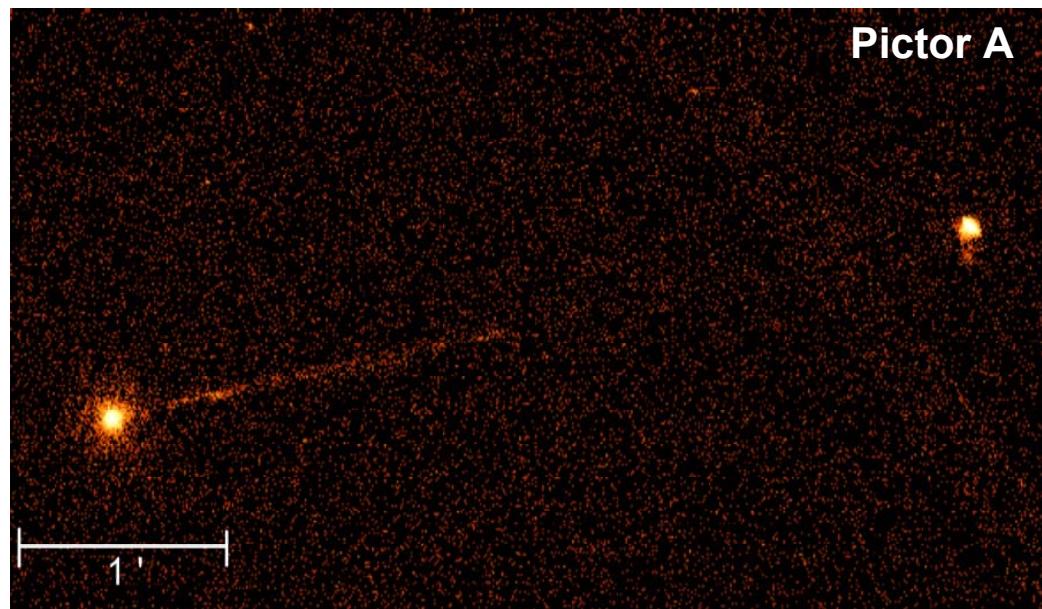
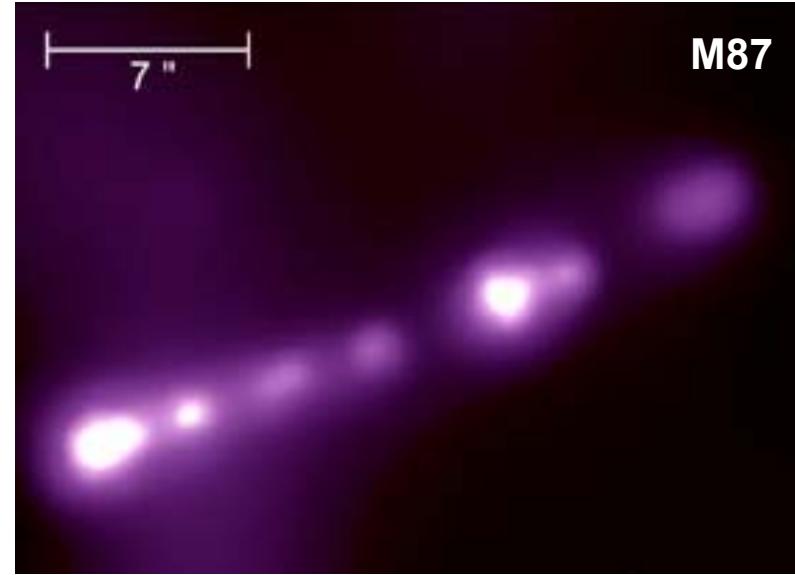
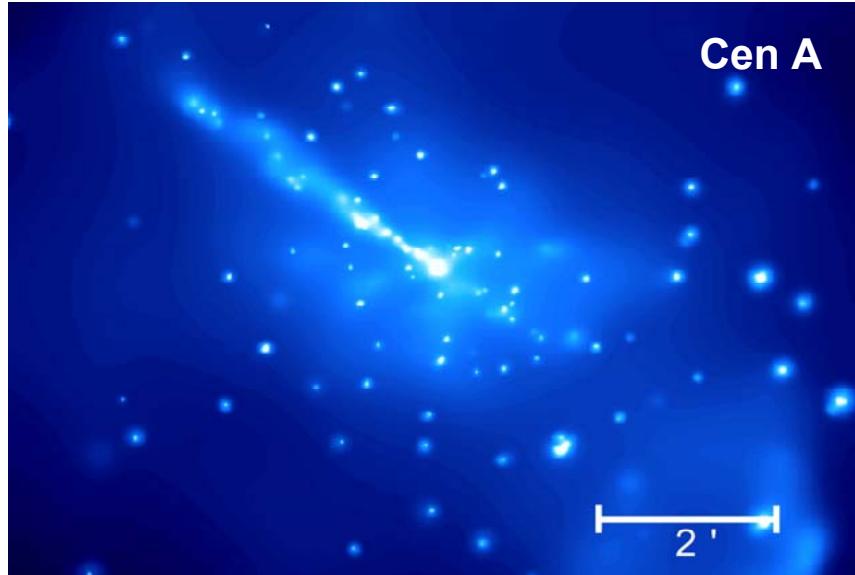


# Chandra X-Ray Observatory

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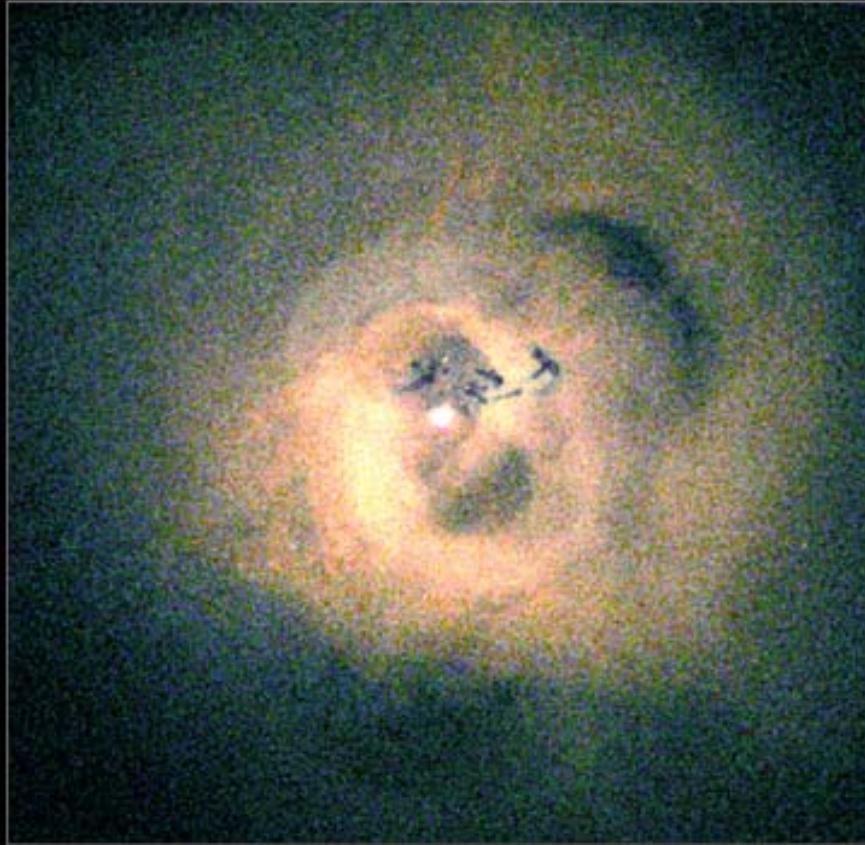
# Chandra X-Ray Observatory



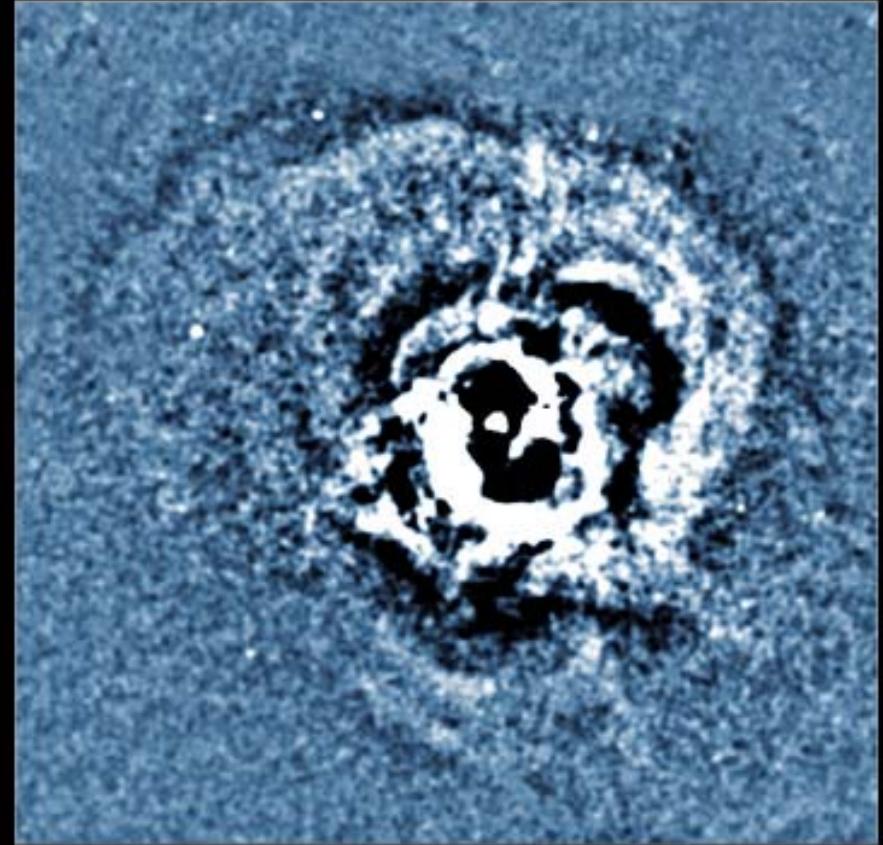


# Chandra X-Ray Observatory

## Perseus Cluster



CHANDRA X-RAY [3-COLOR]

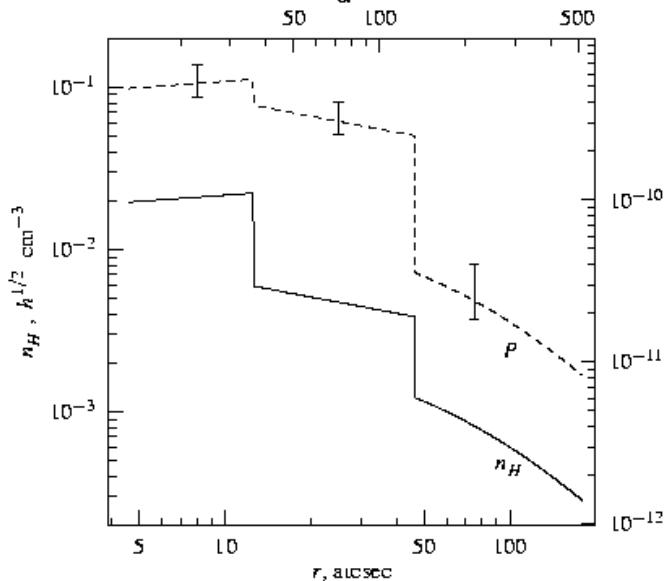
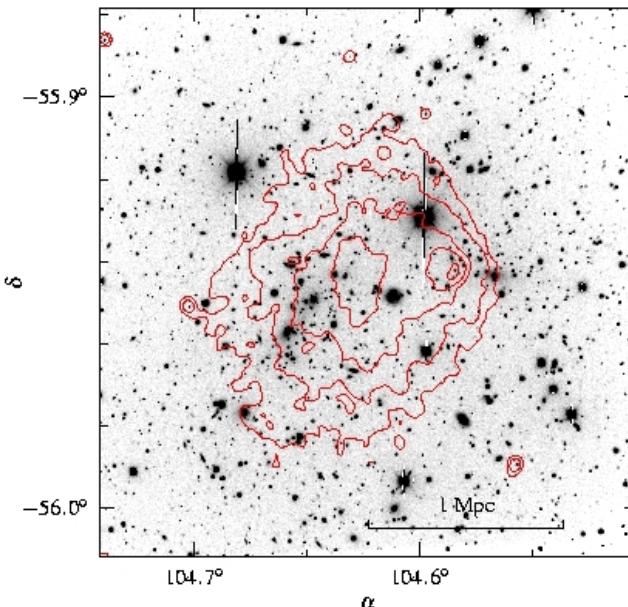
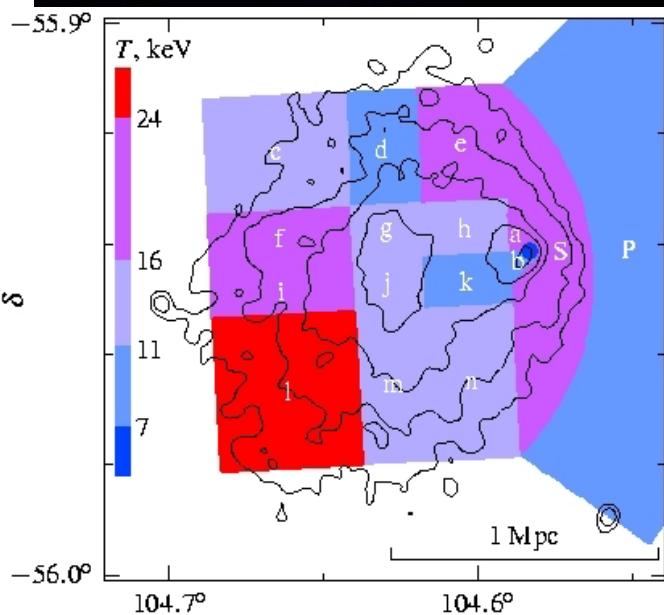
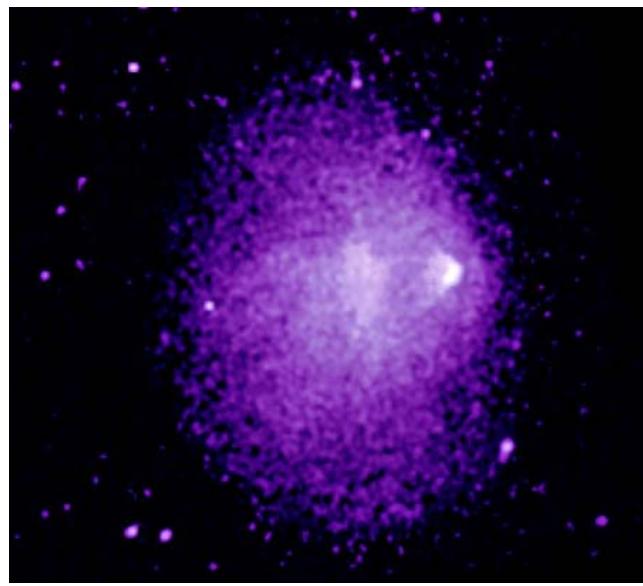


CHANDRA X-RAY [SOUND WAVES]



# Chandra X-Ray Observatory

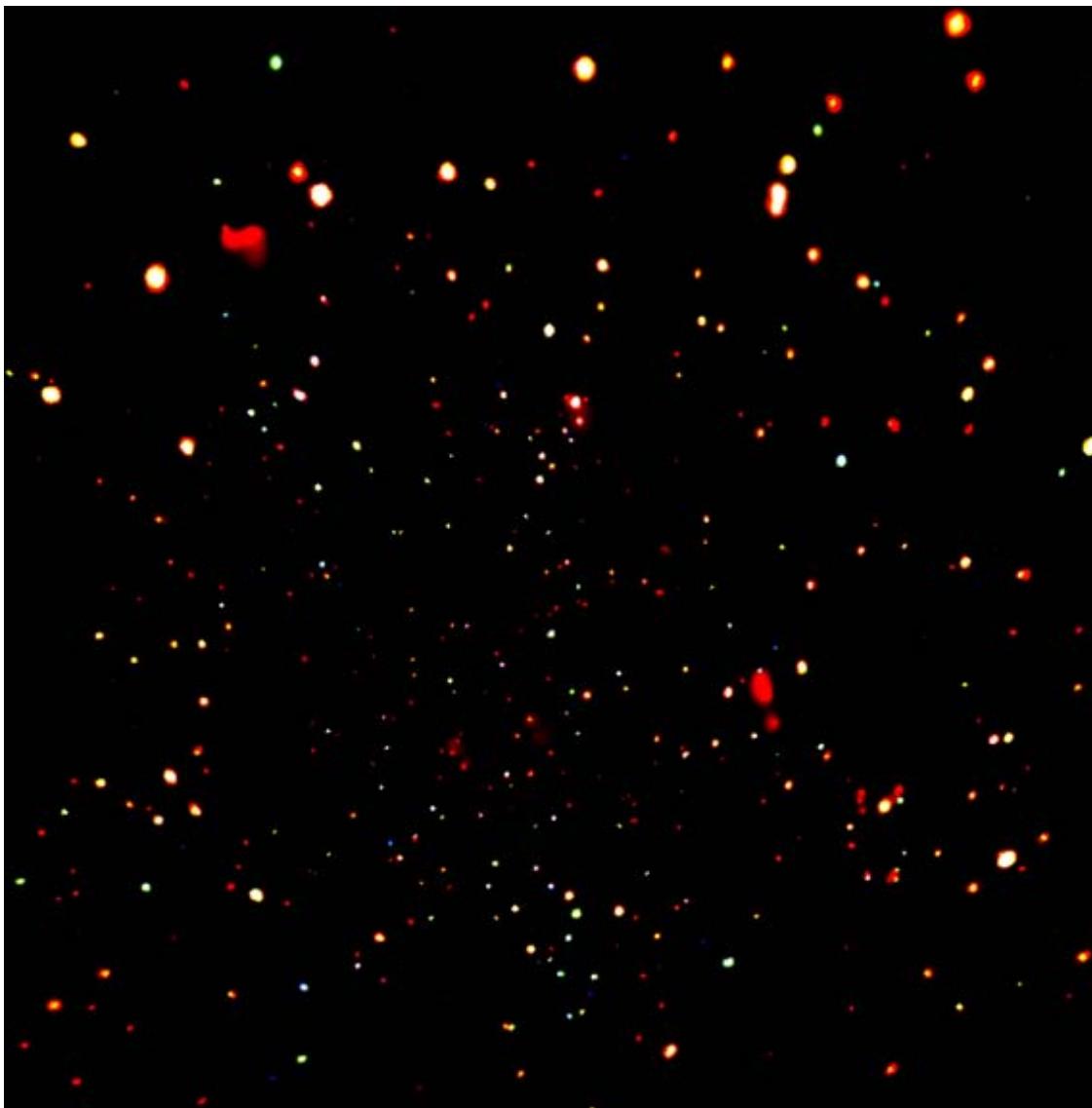
1E 0657-56





# Chandra X-Ray Observatory

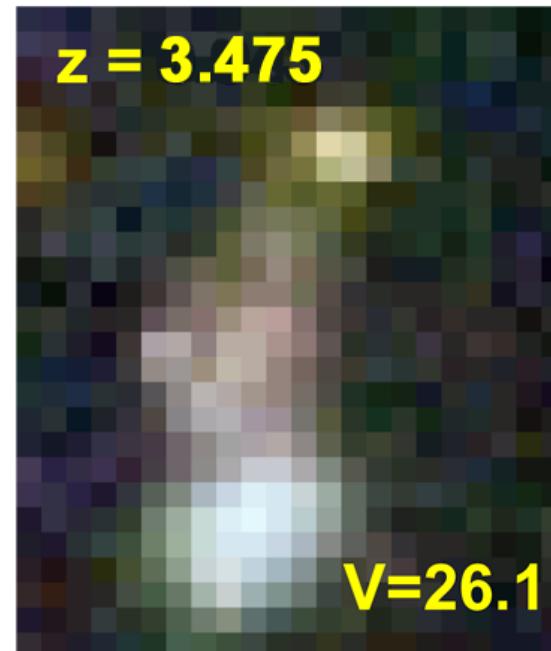
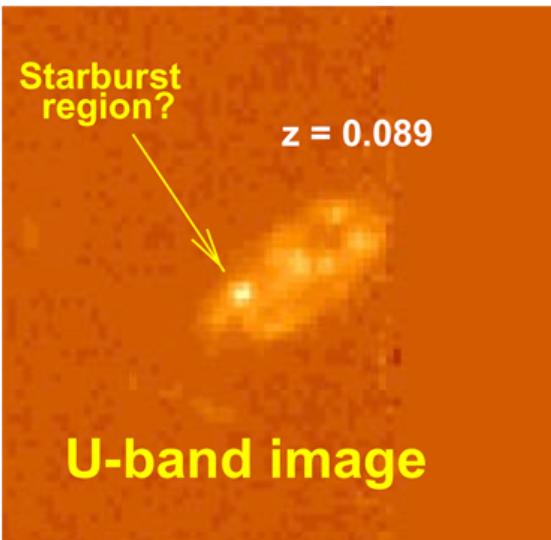
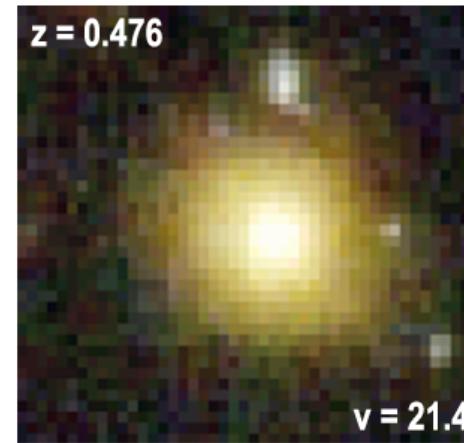
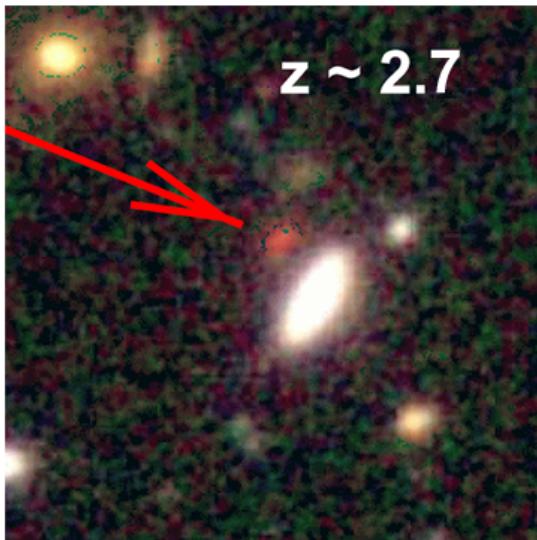
## Chandra Deep Field North





# Chandra X-Ray Observatory

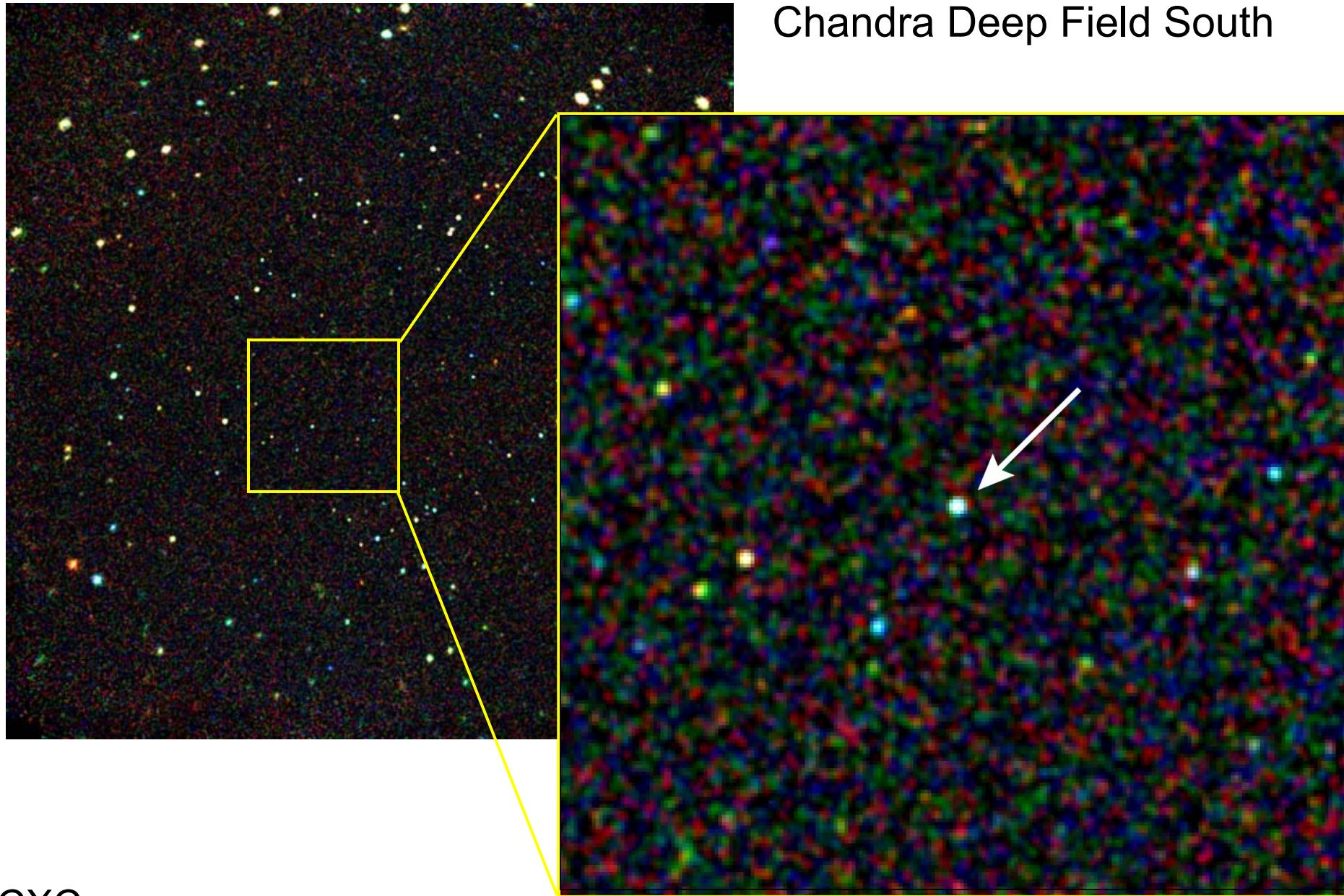
## Hubble Deep Field North & Vicinity





# Chandra X-Ray Observatory

Chandra Deep Field South

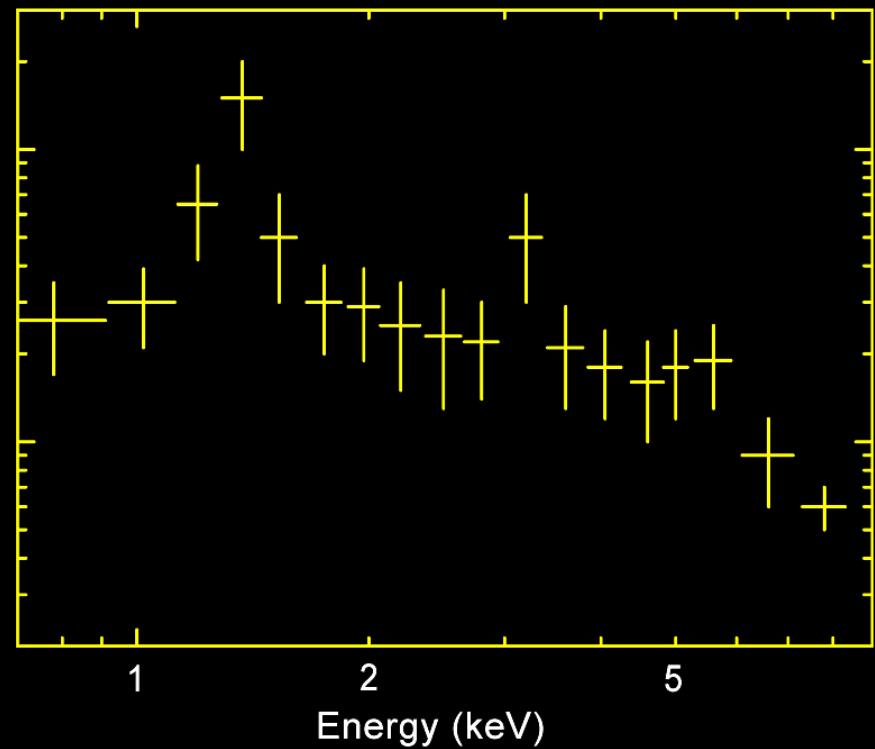




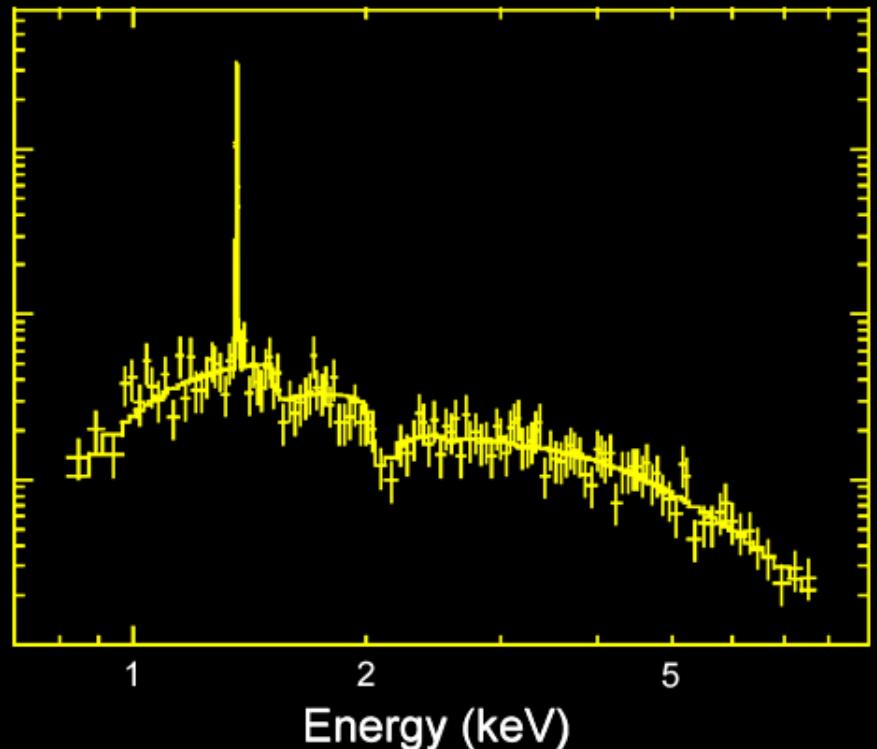
# Chandra X-Ray Observatory

Quasar 2 at  $z = 3.7$

Chandra



Constellation-X

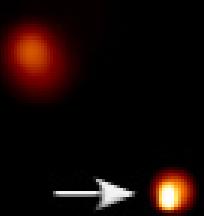




# Chandra X-Ray Observatory

## Two Redshift 6 QSOs

SDSS 1306+0356  
 $z = 5.99$



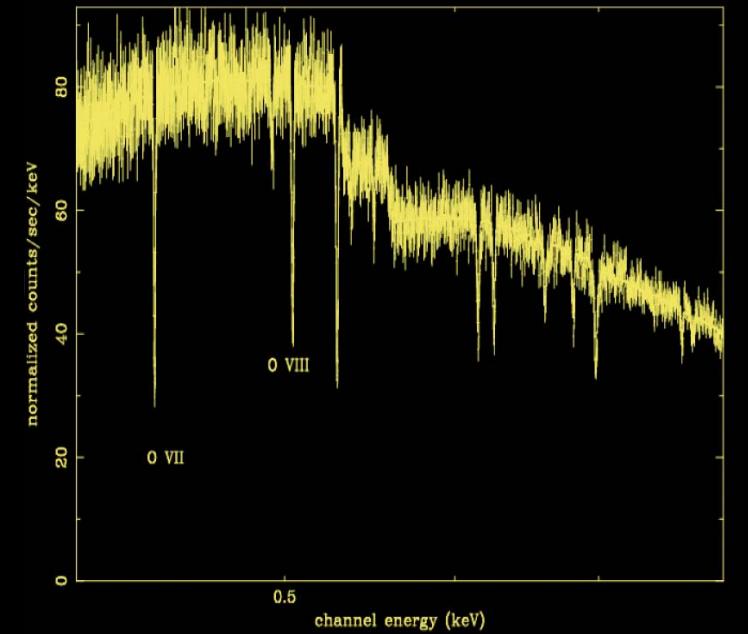
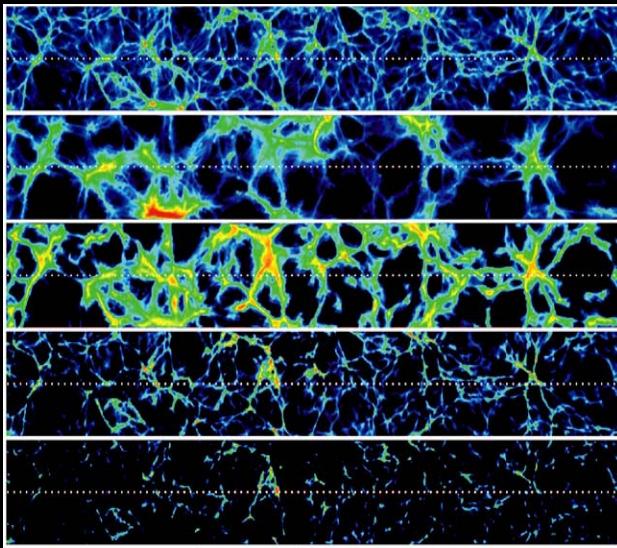
SDSS 1030+0524  
 $z = 6.28$





# Chandra X-Ray Observatory

## Search for Missing Baryons in WHIM



<http://chandra.harvard.edu>



# CHANDRA X-RAY OBSERVATORY

TAKE A JOURNEY ACROSS THE UNIVERSE...

